

AS-6105 SH/SR

Quick Installation Guide

I. Learning a Transmitter

The AS-6105 SH/SR Transmitter is not delivered pre-programmed and must be code-learnt after the wiring of the Module is completed. The system has the ability to learn up to 4 different transmitters, if a fifth Transmitter is learnt, the code of the first Transmitter in memory will be lost. To erase all Transmitters from memory you must perform a Module reset.

To program a new transmitter, do the following:

1. Ensure that the Hood is up, that the vehicle is not in Valet Mode and that the Ignition is OFF.
 - Hold the Hood Pin-switch down for 4 seconds.
 - Release the Pin-switch. **The Parking Lights will come on.**
 - While the Parking Lights are on, immediately push and release the Pin-switch again.
The Parking Lights will stay on for up to 20 seconds.
2. Turn the Ignition Key to the IGNITION ON (RUN) position.
Wait until the Parking Lights go out, then turn the Ignition Key OFF, ON then back OFF again.
The L.E.D. will be flashing during the next step.
3. Press the LOCK button (or the UNLOCK button), wait 1 second and press the button again
... until the Parking Lights flash 5 times quickly and the Siren chirps **twice**.
You can alternatively press the button repeatedly until you see 5 flashes and hear 2 chirps.
4. To exit, close the Hood.

II. Valet Operation

When in Valet Mode, the Module will not carry out any remote start. The Alarm and Starter Kill will be disabled.

The AS-6105 SH/SR is equipped with a protected **Push-button Valet Switch** requiring the Ignition Key of the vehicle in order to place the system in and out of Valet Mode. This will make it difficult for potential thieves to steal your vehicle by hot-wiring your car after merely switching off the Valet.

Getting into Valet Mode

1. Turn the Ignition Key to the IGNITION ON (RUN) position.
2. Within 3 seconds, press and release the Valet button (the L.E.D. will come **on** and stay lit).

Getting out of Valet Mode

1. Turn the Ignition Key to the IGNITION ON (RUN) position.
2. Within 3 seconds, press and release the Valet button (the L.E.D. will go **out**).

If you try to remote-start the vehicle while it stands in Valet Mode, the Parking Lights will flash once, pause and flash twice again.

III. Multi-speed Tach Learning

Tach signals may vary from vehicle to vehicle. The AS-6105 SH/SR system is designed to read a wide range of Tach signals produced by recent Ignition systems. A Tach-learning procedure **must** be carried out **every time a new Unit is installed**.

The procedure for Multi-speed Tach-learning is as follows:

1. Ensure that the Hood is up and that the Ignition is OFF.
 - Hold the Hood Pin-switch down for 4 seconds.
 - Release the Pin-switch. **The Parking Lights will come on.**
 - While the Parking Lights are on, immediately push and release the Pin-switch again.
The Parking Lights will stay on for up to 20 seconds.
2. Press and hold the Brake Pedal and simultaneously press the LOCK and UNLOCK buttons on the Transmitter.
The Parking Lights will flash 4 times and the Siren will chirp 4 times.
3. Release the Brake Pedal; start the vehicle. Allow it to reach regular Engine idle speed.
The Parking Lights will go out when the Tach signal is detected.
4. Press and hold the Brake Pedal: if the Parking Lights flash 5 times the Tach signal has been learnt.
The Siren will chirp 1, 2 or 3 times to indicate which Tach mode has been detected.

IV. Programming Options

The AS-6105 SH/SR system, is equipped with three custom programming menus that allow the installer to custom-fit the system outputs according to installation requirements.

The Options are designed to facilitate interfacing with all vehicle types.

To get into a Programming Mode, proceed as follows:

1. Ensure that the Hood is up and that the Ignition is OFF.
 - Hold the Hood Pin-switch down for 4 seconds.
 - Release the Pin-switch. **The Parking Lights will come on.**
 - While the Parking Lights are on, immediately push and release the Pin-switch again.
The Parking Lights will stay on for up to 20 seconds.
2. Press and hold the Brake Pedal, then press one of the following buttons on the Transmitter (see Transmitter Functions on page 7 for button layout):
 - **LOCK** to enter Mode 1;
 - **UNLOCK** to enter Mode 2;
 - **TRUNK** to enter Mode 3.

The Parking Lights and the Siren will flash and chirp once, twice or three times to confirm entry into a Mode.

3. Release the Brake Pedal.

The Programming Menu will automatically start at Function 1. Once you select one of the Options of Function 1, you will automatically move to the next Function. To select one of the four Options of a given Function, press the corresponding button on the Transmitter (see Transmitter Functions on page 7 for button layout):

- **LOCK** button = Option 1
- **UNLOCK** button = Option 2
- **TRUNK** button = Option 3
- **START** button = Option 4

In each Function, once an Option has been selected the Parking Lights will flash 1, 2, 3 or 4 times (depending on the selected Option).

Please note that, unlike Options within a Function, Functions within a Mode can only be accessed sequentially: the Programming Menu will move from Function 1 to Function 2, 3, and so on. Therefore, whenever you enter a particular Mode, be prepared to re-configure all the Functions of that Mode in ascending order.

MODE 1

* INDICATES DEFAULT SETTING

FUNCTION 1 – Ignition-controlled Door Locks

OPTION 1*	Ignition Lock ENABLED
OPTION 2	Ignition Lock DISABLED
OPTION 3	Ignition LOCK ONLY
OPTION 4	Ignition UNLOCK ONLY

FUNCTION 2 – Secure Lock

OPTION 1*	Secure Lock DISABLED (1-sec. Disarm pulse)
OPTION 2	Secure Lock ENABLED in Smart Mode
OPTION 3	Secure Lock DISABLED (0.5-sec. Disarm pulse)
OPTION 4	Secure Lock ENABLED in Standard Mode

FUNCTION 3 – Door lock pulse timing

OPTION 1*	7/10-sec. Lock/Unlock pulses
OPTION 2	4-sec. Lock/Unlock pulses
OPTION 3	7/10-sec. Lock pulse and two 1/10-sec. Unlock pulses
OPTION 4	1/10-sec. Lock/Unlock pulses

FUNCTION 4 – AUX 3 Programming

OPTION 1*	Constant while the TRUNK button is pressed and Data out
OPTION 2	1-sec. Trunk 1 output when TRUNK button is pressed for 3 sec. with Ignition OFF or under remote run
OPTION 3	Trunk 2 output with Disarm/Rearm pulses

FUNCTION 5 – AUX 2 Programming

OPTION 1*	Priority Door Access on 2nd UNLOCK and each subsequent Unlock, and Car Finder
OPTION 2	Toggle ON/OFF with 30-second timeout
OPTION 3	Constant output while the button is pressed
OPTION 4	Priority Door Access on 2 nd Unlock, and Car Finder

MODE 2		* INDICATES DEFAULT SETTING
FUNCTION 1 – Home Valet Mode		
OPTION 1	Home Valet ENABLED	
OPTION 2*	Home Valet DISABLED	

FUNCTION 2 – Safe Start.

OPTION 1	Safe Start ENABLED
OPTION 2*	Safe Start DISABLED
OPTION 3	"Swap Start" – enhanced Safe Start Mode with extended-safety: <ul style="list-style-type: none"> To start the Engine: press the LOCK and UNLOCK buttons simultaneously To trigger AUX 2: press the START button

FUNCTION 3 – Engine Run Time

OPTION 1	Run time = 4 minutes in GAS mode / 9 minutes DIESEL mode
OPTION 2*	Run time = 15 minutes in GAS mode / 20 minutes DIESEL mode
OPTION 3	Run time = 25 minutes in GAS mode / 30 minutes DIESEL mode

FUNCTION 4 – Idle/Turbo Mode

OPTION 1	Idle/Turbo Mode DISABLED
OPTION 2*	Idle/Turbo Mode ENABLED
OPTION 3	Idle/Turbo Mode DISABLED

FUNCTION 5 – Engine type and Cold Weather Mode

OPTION 1	DIESEL Mode and 20-minute Run Time in Cold Weather Mode
OPTION 2*	GASOLINE Mode and 4-minute Run Time in Cold Weather Mode
OPTION 3	DIESEL Mode and 9-minute Run Time in Cold Weather Mode

MODE 3

* INDICATES DEFAULT SETTING

FUNCTION 1 – Siren Chirps

OPTION 1	Warning Chirps with Lock Confirmation when the LOCK button is pressed for a 2 nd time
OPTION 2*	Full chirps ENABLED
OPTION 3	Chirps ENABLED with 10-second delayed warning if a door is left open
OPTION 4	Chirps DISABLED with Lock Confirmation if the LOCK button is pressed for a 2 nd time

FUNCTION 2 – Passive or Active Arming

OPTION 1	Active Arming.
OPTION 2*	Passive Arming (30 sec.)
OPTION 3	Passive Arming (30 sec.) / no Siren Mute.
OPTION 4	Smart Active Arming: IGN./ ACC. / GROUND OUT triggered ON/OFF before arming if a Door is open (Dome light on). (Option 4 will also enable Disarmed Notification)

FUNCTION 3 – Ignition Monitoring: Siren Mode / Horn Mode

OPTION 1	Siren Mode: Ignition Monitoring DISABLED
OPTION 2*	Siren Mode: Ignition Monitoring ENABLED
OPTION 3	Horn Mode: Ignition Monitoring DISABLED
OPTION 4	Horn Mode: Ignition Monitoring ENABLED

FUNCTION 4 – Shock Sense / Warn-away

OPTION 1	Shock Sense IGNORED / Warn-away IGNORED
OPTION 2*	Shock Sense MONITORED / Warn-away MONITORED
OPTION 3	Shock Sense MONITORED / Warn-away IGNORED

V. Multi-car Operation

AS-6105 SH/SR systems offers Multi-Car operation. This allows the owner of two AS-6105 SH/SR systems, installed on two vehicles, to control both systems with one transmitter. The Transmitter of the primary vehicle can control the Starter Kill system, the Door Locks, the remote Car Starter and the Trunk of the second vehicle. The Transmitter of the second vehicle can also operate the primary vehicle

2nd car control (press buttons simultaneously):

- Press **TRUNK + LOCK**:**LOCK**
- Press **TRUNK + UNLOCK**:**UNLOCK**
- Press **TRUNK + START**:**START**
- Press **TRUNK + STOP**:**STOP**
- Press **TRUNK + LOCK + UNLOCK**:**TRUNK**
- Press **TRUNK + STOP** for 3 sec:.....**Cold Weather Mode**

To program the Transmitter on a second vehicle for Multi-car Operation, you must press the **TRUNK** button, instead of **LOCK** or **UNLOCK**, in step 3 of transmitter code learning:

1. Ensure that the Hood is up, that the vehicle is not in Valet Mode and that the Ignition is **OFF**.
 - Hold the Hood Pin-switch down for 4 seconds.
 - Release the Pin-switch. **The Parking Lights will come on.**
 - While the Parking Lights are on, immediately push and release the Pin-switch again.

The Parking Lights will stay on for up to 20 seconds.

2. Turn the Ignition Key to the **IGNITION ON (RUN)** position.
Wait until the Parking Lights go out, then turn the Ignition Key **OFF**, on then back **OFF** again.
The L.E.D. will be flashing during the next step.
3. Press the **TRUNK** button, wait 1 sec. and press the button again until the Parking Lights flash 5 times quickly and the Siren chirps **twice**.
You can alternatively press the button repeatedly until you see 5 flashes and hear 2 chirps.
4. To exit, close the Hood.

VI. Resetting the Module

The AS-6105 SH/SR is equipped with a reset function that allows the installer to erase all Transmitter codes from memory and return all the Programming Options to the factory default values.

To reset the Module:

1. Ensure that the system is not in Valet Mode, that the Hood is up and that the Ignition is **OFF**.
 - Hold the Hood Pin-switch down for 4 sec.
 - Release the Pin-switch. **The Parking Lights will come on.**
 - While the Parking Lights are on, immediately push and release the Pin-switch again.
The Parking Lights will stay on for up to 20 seconds.
2. Press the Valet Button 6 times (**down-up / down-up / down-up / down-up / down-up / down-up**) or more, until the Parking Lights start to flash.
The Parking Lights will flash 8 times.

Note

After reset, all Programming Options are set back to default. See the programming page for default values.

VII. Events Logging

With this feature, the Module will play back the last 4 Start Failure Events Codes and the last Intrusion Code via the Parking Lights or L.E.D.

Events playback

Ensure that the Hood is up and that the Ignition is **OFF**.

- Hold down the Hood Pin-switch for 4 seconds.
- Release the Pin-switch. **The Parking Lights will come on.**
- With the Parking Lights on, immediately push the Pin-switch 3 times (**down-up / down-up / down-up**).
The Parking Lights and L.E.D. will flash the five events stored in memory.

The first four playback codes are **Start Failure Events**, while the last playback code is an **Intrusion Code**. There is a pause after each event code is played back.

The system will play back the most recent event first, then the second one, and so on. If there is no event at all to report, the Parking Lights will give one long flash.

To jump directly the Intrusion Code, press the Brake Pedal. To end playback close the Hood.

Start Failure Codes via Parking Lights

1 x = No Start
3 x = Hardware Reset
4 x = Brakes
5 x = No Tach Cut-off
6 x = Hood
7 x = Engine Running, no Ignition detected, or
Tach before Start
8 x = Tach signal detected without Ignition;
contact Autostart for assistance
9 x = Reserved for testing purposes
10 x = Alarm condition

Intrusion Codes

1 x = Power-up Reset: Battery disconnected / reconnected or
dead...
2 x = Doors intrusion
3 x = Shock Sense
4 x = Hood
5 x = Panic
6 x = Ignition

Note: "x" stands for one flash of the Parking Lights

VIII. Chirps

Chirps	Description
1	<ul style="list-style-type: none"> • LOCK and ARM the system. • LOCK confirmation. • Entering Mode 1 in Programming Options. • Start attempt when the Engine is already running under remote control. • Disarmed Notification
2	<ul style="list-style-type: none"> • UNLOCK and disarm. • Transmitter learnt. • Entering Electronic Valet. • Entering Mode 2 in Programming Options.
3	<ul style="list-style-type: none"> • LOCK and arm while a zone is left unprotected. • Entering Mode 3 in Programming Options. • Door zone left unprotected.
4	<ul style="list-style-type: none"> • UNLOCK and disarm: an intrusion was detected. • Entering the Tach Learning procedure.
5	Siren or Horn Chirp Timing adjustment.
Constant up to 30 seconds	In Horn Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Horn will sound for 30 sec. (honk – pause – horn – pause ...)
Constant up to 60 seconds	In Siren Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Siren will sound for 60 sec.

IX. Diagnostics - Parking Lights Flash Rate

Flashes	Description
1	<ul style="list-style-type: none"> • Doors locked, Alarm and Starter Kill armed. • End of Run Time. • Run Time cancelled. • TRUNK button pressed • START signal received by the Module. • Cold Weather Mode cancelled. • Cannot start after maximum number of attempts is reached.
2	<ul style="list-style-type: none"> • Doors unlocked, Alarm and Starter Kill disarmed.
3	<ul style="list-style-type: none"> • Entering Cold Weather Mode. • Remote start attempt cancelled by remote.
4	<ul style="list-style-type: none"> • +12 V where detected on the brake line and cranking was cancelled. • Entering the Tach Learning procedure.
5	<ul style="list-style-type: none"> • New Transmitter learnt. • Tach learnt.
6	<ul style="list-style-type: none"> • A remote start was attempted while a Tach or a vacuum signal was detected before cranking.
8	<ul style="list-style-type: none"> • Unit reset: occurs when the Unit is reset to the factory defaults.
10	<ul style="list-style-type: none"> • The Hood Switch line went to ground during cranking or Run Time.
1 – pause – 2	There was an attempt to start the vehicle while the Module was in Valet Mode.
2 – pause – 2	There was an attempt to start the vehicle while the Module was in Home Valet Mode.
ON solid	Cold Weather Mode: the Brake Pedal is being held down.
ON 2 sec.	The Hood is up and the Hood Switch line went to ground. This is step one of the Programming Modes.
ON 3 sec.	First press of the START button under Safe Start.
ON 4 sec.	<ul style="list-style-type: none"> • The hood was opened and the hood switch line went to ground. This is step one of the programming centre. • Lock or Unlock pulse (if door pulse is configured to 4 sec.)
ON 25 sec.	<ul style="list-style-type: none"> • If the Hood Pin-switch has been pressed twice (down-up / down, up): the Unit went into step 1 of the Programming cycle and no Transmitter activity was detected for 20 seconds • Or the Unit went into step 1 of the Transmitter Code Learning procedure and no activity was detected for a few seconds. The Unit has exited the Transmitter Code Learning procedure.
Irregular	<ul style="list-style-type: none"> • If the unit gives irregular signals (1 to 10 flashes followed by a pause, followed by further flashes), the system is playing back Start Failure Codes. This occurs when the Hood Pin-switch is pressed three times (down, up / down, up / down, up)
Constant flashes up to 30 sec.	In Horn Mode: Alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up.
Constant flashes up to 60 sec.	In Siren Mode: Alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up.

X. Wiring Diagram

Manual Transmission Remote Starter & Alarm System

